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IN THE CLAIMS

Please amend claims 1, 11, 18, 24 and 25 as follows:

 (Currently Amended) A method for spelling correction of a phrasal string, comprising:

segmenting the phrasal string into a plurality of different segmentations, the plurality of different segmentations including contiguous sub-strings over the phrasal string;

using dictionary looping to spell correct each of the plurality of different segmentations;

determining a cost associated with <u>each of the sub-strings in</u> each of the plurality of different segmentations, the plurality of different segmentations including contiguous sub-strings over the phrasal string, each of the contiguous sub-strings containing a plurality of words; and

identifying a segmentation having a lowest <u>total</u> cost corresponding to a most probable correct spelling of the phrasal string <u>by adding a cost for each of the substrings of a segmentation to arrive at a total cost for that segmentation</u>, wherein <u>segmentations a sub-string having a longer length are than another shorter sub-string is assigned a lower cost while the shorter sub-string is assigned a higher cost.</u>

2. (Canceled)

- 3. (Previously Presented) The method as set forth in claim 1, wherein dictionary looping further comprises comparing each of the plurality of different segmentations with entries in a phrasal dictionary.
- 4. (Original) The method as set forth in claim 3, wherein the phrasal dictionary is capable of containing phrasal strings including phrases, words and spaces.
- 5. (Previously Presented) The method as set forth in claim 1, wherein the cost is a cost of correcting each of the plurality of different segmentations.

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6. (Canceled)

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- 7. (Previously Presented) The method as set forth in claim 1, further comprising spell correcting sub-strings of a segmentation using dictionary looping.
- 8. (Original) The method as set forth in claim 7, wherein dictionary looping further comprises performing a looping search through a phrasal dictionary to compare each of the sub-strings with entries in the phrasal dictionary to find an entry having a closest match.
- 9. (Original) The method as set forth in claim 8, further comprising constructing a corrected segmentation using the closest match for each of the sub-strings.
- 10. (Original) A computer-readable medium containing computer-executable instructions for performing the process recited in claim 1.
- 11. (Currently Amended) A method for spelling correction of a misspelled phrasal string containing words, spaces and characters, comprising:

receiving the misspelled phrasal string;

shorter length are assigned a higher cost.

dividing the misspelled phrasal string into a plurality of segmentations containing sub-strings having a plurality of words;

comparing each of the of the sub-strings in each of the plurality of segmentations to entries in a dictionary to obtain a cost for each of the sub-strings; and determining a best segmentation from the plurality of segmentations that represents the most probable correct spelling of the misspelled phrasal string by adding together the cost of each of the sub-strings for a segmentation to obtain a total cost for the segmentation, wherein the best segmentation has a lowest total cost, and wherein segmentations a sub-string having a longer length are when compared to another substrings is assigned a lower cost ever segmentations while the other sub-strings having a

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12. (Previously Presented) The method as set forth in claim 11, wherein each of the plurality of segmentations contains contiguous sub-strings.

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- 13. (Original) The method as set forth in claim 12, wherein comparing each of the plurality of segmentations to entries in a dictionary is performed by finding a closest match between sub-strings of a segmentation and a dictionary entry.
- 14. (Original) The method as set forth in claim 11, further comprising determining a cost associated with each segmentation.
- (Original) The method as set forth in claim 14, wherein the best 15. segmentation is a segmentation having a lowest cost.
- 16. (Original) The method as set forth in claim 14, wherein hierarchical parameters are used to determine the cost associated with each segmentation.
- 17. (Original) The method as set forth in claim 16, wherein the hierarchical parameters include at least one of: (a) a length of a dictionary entry; (b) a probability of a dictionary entry given a context of neighboring words of the phrasal string.
- 18. (Currently Amended) A phrasal spelling correction system for spelling correction of a phrasal string, comprising:

a segmentation module that divides the phrasal string into a plurality of segmentations, each of the plurality of segmentation containing sub-strings containing a plurality of words:

a looping comparator that performs dictionary looping to correct a segmentation by looping through a dictionary and comparing each of the sub-strings of the segmentation with entries in the dictionary to determine a closest match and a cost for each of the sub-strings and adds the cost of each sub-string to arrive at a total cost for the segmentation; and

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an output string containing a corrected segmentation having the lowest total cost that represents a correct spelling of the phrasal string, wherein segmentations a substring having a longer length are than other sub-strings is assigned a lower cost over segmentations the other sub-strings having a shorter length, while the other sub-strings having a shorter length are assigned a higher cost.

- 19. (Original) The phrasal spelling correction system as set forth in claim 18, wherein the looping comparator determines a cost associated with each of the plurality of segmentations.
- 20. (Original) The phrasal spelling correction system as set forth in claim 19, further comprising a hierarchical module that provide hierarchical parameters to the looping comparator to determine the cost.
- 21. (Original) The phrasal spelling correction system as set forth in claim 20, wherein the hierarchical parameters include a length of a dictionary entry and a probability of a dictionary entry given a context of neighboring words of the phrasal string.
- 22. (Original) The phrasal spelling correction system as set forth in claim 18, wherein the dictionary is a dynamic phrasal dictionary containing phrasal strings capable of containing words, phrases, characters and spaces.
- 23. (Original) The phrasal spelling correction system as set forth in claim 22, further comprising a dynamic update module that provides dynamic updating of phrasal dictionary entries.
- 24. (Currently Amended) A method for spelling correction of a phrasal string, comprising:
- segmenting the phrasal string into a plurality of different segmentations containing sub-strings having a plurality of words;
 - using dictionary looping to perform a plurality of different searches through a

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dictionary data structure such that each of the different searches begins at a starting node and continually loops back to the starting node to begin another search in order to compare each of the sub-strings with entries in the dictionary data structure to assign a cost to each of the sub-strings;

determining a cost for correction associated with each of the plurality of different segmentations by adding a cost of each of the sub-strings of a segmentation to arrive at the cost of correction, wherein segmentations a sub-string having a longer length are is assigned a lower cost as compared to segmentations other sub-strings having a shorter length; and

identifying a segmentation having a lowest cost of correction corresponding to a most probable correct spelling of the phrasal string.

25. (Currently Amended) A method for spelling correction of a misspelled phrasal string containing words, spaces and characters, comprising:

dividing the misspelled phrasal string into a plurality of different segmentations containing sub-strings containing a plurality of words;

performing dictionary looping of a trie containing a phrasal dictionary to search for each of the sub-strings in the trie;

comparing each of the sub-strings to entries in the trie to find a closest match to the sub-string between a sub-string and a dictionary entry to determine a cost for each of the sub-strings;

summing the cost for each sub-string in a segmentation to determine a total cost for the segmentation;

constructing a corrected phrasal string using a segmentation having the elosest sub-string trie matches lowest total cost, wherein matched segmentations a sub-string having a longer length are favored over matched segmentations is assigned a lower cost than other sub-strings having a shorter length, while the other sub-strings having a shorter length are assigned a higher cost.

26. (Canceled)

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27. (Previously Presented) The method of claim 25, further comprising dividing the misspelled phrasal string into all possible segmentations.